Beat-Sonic®

NO:000001

MVA-24/24WD1/24WD2 User's Manual

Thank you for your purchase of MVA-24. The following document is written to describe the installation process of this product.

Vehicle Application	Model Year	Model Chassis Code
	2003-2006	UCF30 、UCF31

Features:

1. Can remove the factory unit and attaach 2 DIN size aftermarket head unit/navigation with the amplifier.
2. Can hear the sound from Woofer/Tweeter/Front and Rear door spealers/
3. Can use the OEM NAV/TV as it is. However, cannot display anything while driving.
4. Can adjust the TV channel and the volume using the OEM steering switch.
5. Can display the image on the OEM screen(items needed are not included).
6. The color of the supplied panel is similar to the OEM head unit.

Cautions

1. Not compatible with cars without the factory steering switch.
2. May cause a noise when using key on/key off with a certain unit.
3. Channel up/down on the steering wheel corresponds to TV channels only when the OEM head unit displays TV. Otherwise, the channel button do not function.
4. Not compatible with Lexus(LS430).
5. Cannot exchange the OEM navigation and display with this adaptor.

About the aftermarket head unit

1. The aftermarket head unit has to have the speaker outputs.
2. Because of the 2ch. OEM amplifier, the effect from the additional unit such as fader/DSP cannot work properly. Only when used by Multi-Vision, fader/DSP work with the additional unit.

About the factory system

1. Cannot use the factory unit's features such as VICS, and FM multiplex telecasting etc..
2. Cannot use rear controller.
3. Cannot use CD changer and optional DVD changer.
4. Can use the audio functions such as DSP, Equalizer, and POS on the factory Multi-Vision screen.
5. Channel up/down on the steering wheel corresponds to TV channels only when the OEM TV. Otherwise, the channel buttons do not function.
6. Cannot use the factory FM/AM radio. Need to attach the supplied antenna cable from the trunk to the back of the unit when listening to FM/AM radio using the new head unit.
7. About the navigation sound.
   - Can hear the navigation sound when the front speaker on the right(on the passenger's side) is muted.
   - Control the navigation sound and the volume by the MENU on the navigation screen.

Attached panel color

• MVA-23 OEM Color • MVA-23WD1 Light Brown Color • MVA-23WD2 Medium Brown Color

Specification

Installation 2 DIN- 40mm Width x 26.5mm Height x 82mm Depth Weight: 150g(only adaptor)

Included in this kit

Audio Electronic Adaptor , Face Plate , Brackets(L/R) , Antenna Cable

Do not — Mount all components in locations that will not inhibit safe driving or obstruct the motions of the various components of the vehilce function. Be cautious so as not to damage wires, piping,tanks and other areas as installed in the vehicle. Avoid wet, dusty, or areas of extreme temperatures for installation.

Caution — Any damages resulting to the automobile of aftermarket audio systems as result of inproper installations or careless installation prodecures are not covered by any warranty, nor are we responsible for any injuries or damages resulting from the installation process. Please observe caution when performing installation.

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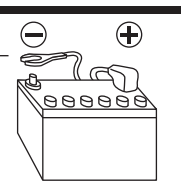
Precautions BEFORE Installation Process

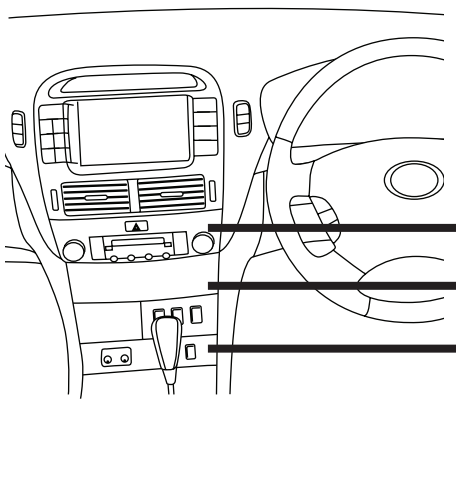


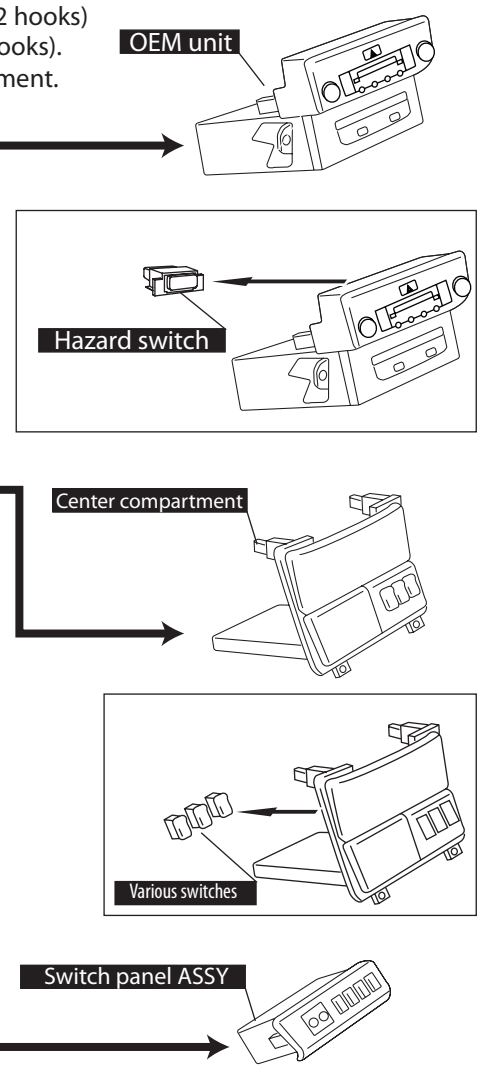
-Always disconnect the negative(-) terminal of the vehicle battery and drain all capacitors before installation.
-Use the masking tape to label the wires passing near the metal part of the car
-After the installation, make sure the brake lamps, headlights, turn signals and wipers work properly.

Caution — Before starting installation, verify that the original audio system in the vehicle is fully functional. This kit will not remedy any issues that existed before the installation or faults in the original systems in the vehicle.

1 Removal of the Factory OEM Audio Head Unit

1. Remove the switch panel below the OEM unit(2 hooks)
2. Remove the center compartment(3 screws, 6 hooks). Remove the switches from the center compartment.
3. Remove the OEM unit(2 bolts, 2 hooks). Remove the hazard switch from the OEM unit(2 screws)





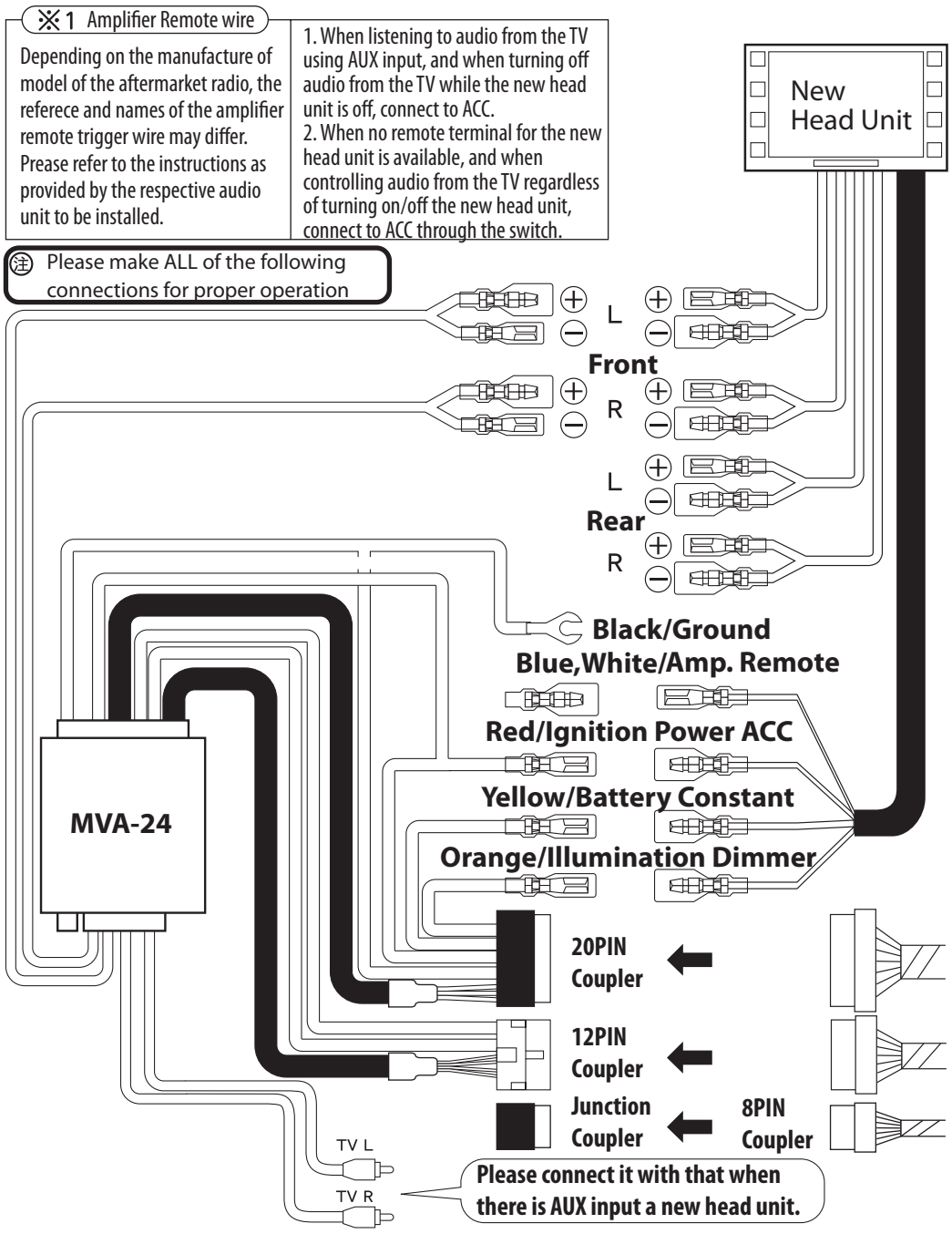
2 Installation of adaptor

※1 Amplifier Remote wire

Depending on the manufacture of model of the aftermarket radio, the referece and names of the amplifier remote trigger wire may differ. Prease refer to the instructions as provided by the respective audio unit to be installed.

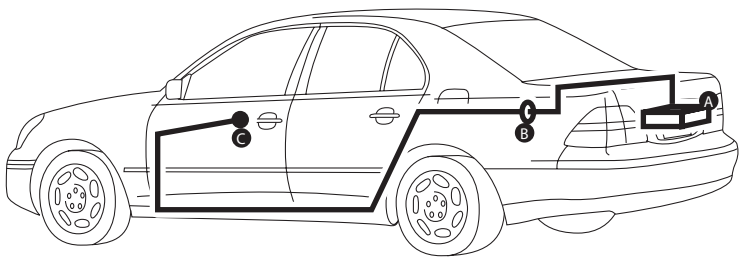
1. When listening to audio from the TV using AUX input, and when turning off audio from the TV while the new head unit is off, connect to ACC.
2. When no remote terminal for the new head unit is available, and when controlling audio from the TV regardless of turning on/off the new head unit, connect to ACC through the switch.

注 Please make ALL of the following connections for proper operation



3 Antenna cable connections

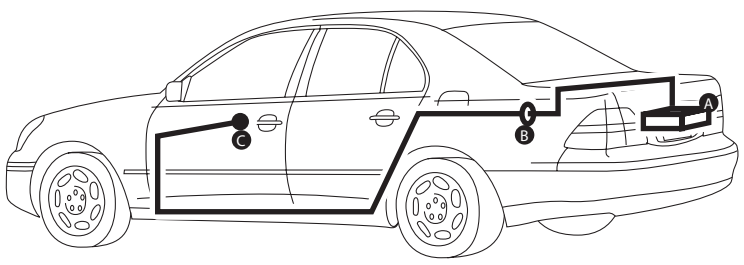
Connent an antenna cable to (A the right bottom of the trunk). Remove the wiring harness attached to (A radio tuner), then attach to the extension cable. Extend the antenna plug to (C the back of the unit) through the wiring hole located in B(the back of the backseat.



4 How to display the image from the new heat unit on the OEM

To display the image from the new head unit on the OEM, AVC1 or VTR adaptor (not included) is neede

Connect AVC1 to the OEM TV tuner located in A(the right bottom of the trunk). Attach AVC1 to the video cable, then connect with C (the back of the unit) through the wiring hole located in B(the back of the backseat). Attach the video cable to the new head unit video output or the rear monitor output.



*Do not connect anything to AVC1 sound input.
*Please see(Basic operation) for information on how to display the image from the new head unit on the factory screen.